

Job Risk Analysis

| Name(s) of Risk Team Members: J. Scott, Roy Johnson, J. Tabbacco, H. Anderson, A. Korol | | | | Point Value → Parameter ↓ | | 1 | | 2 | | 3 | | 4 | | 5 | | | |
|--|---|---|---------------|--------------------------------------|-------------|----------------|--------------|-------------------|---------------------------------|---------------|---------------|--------------------|------------|-------------------------------|------------------|------------------|--|
| Job Title: Transportation Move Components From 209 to 974 | | | | Frequency (B) | | ≤once/year | | ≤once/month | | ≤once/week | | ≤once/shift | | >once/shift | | | |
| Job Number or Job Identifier: JRA 1-06 | | | | Severity (C) | | First Aid Only | | Medical Treatment | | Lost Time | | Partial Disability | | Death or Permanent Disability | | | |
| Training and Procedures List (optional): BTMS, JTA's | | | | Likelihood (D) | | Impossible | | Unlikely | | Possible | | Probable | | Multiple | | | |
| Approved by: <i>E. Lessard</i> Date:5/5/2006 Rev. #: 0 | | | | | | | | | | | | | | | | | |
| Stressors (if applicable, please list all): Weather(Heat, cold, ice etc.) | | | | Reason for Revision (if applicable): | | | | | | Comments: | | | | | | | |
| | | | | Before Additional Controls | | | | | | | | | | After Additional Controls | | | |
| Job Step / Task | Hazard | Control(s) | Stressors Y/N | # of People A | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | Control(s) Added to Reduce Risk | Stressors Y/N | # of People A | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | % Risk Reduction | |
| Inspection of vehicles | Falls on same level | Maintenance of surfaces, snow removal, proper shoes, PPE, use of non-wooden ladders | Y | 2 | 3 | 2 | 3 | 36 | | | | | | | | | |
| Inspection of vehicles | Bodily reaction – injuries resulting from bending, climbing, loss of balance and slipping without falling | Work planning, proper shoes, snow removal, maintenance of surfaces | Y | 2 | 3 | 1 | 3 | 18 | | | | | | | | | |
| Inspection of vehicles | Falls to lower level, such as falling from a ladder or over a railing | Proper ladders and stands, height under 4 ft., proper shoes, work planning, ladder training | Y | 1 | 3 | 3 | 3 | 27 | | | | | | | | | |
| Loading and unloading of vehicles | Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying or throwing of an object | Work planning, PPE, lifting load limits for individuals, mechanical lift equipment, back safety training as appropriate, Known weights and center of gravity, | Y | 2 | 3 | 2 | 3 | 36 | | | | | | | | | |
| Loading and unloading of vehicles | Falls on same level | Maintenance of surfaces, snow removal, proper shoes, PPE | Y | 1 | 3 | 2 | 3 | 18 | | | | | | | | | |
| Loading and unloading of vehicles | Bodily reaction – injuries resulting from bending, climbing, loss of balance and slipping without falling | Work planning, proper shoes, snow removal, maintenance of surfaces, PPE | Y | 2 | 3 | 2 | 3 | 36 | | | | | | | | | |

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|-----------------------------------|---|---|---|---|---|---|---|----|--|--|--|--|--|--|--|--|
| Loading and unloading of vehicles | Falls to lower level, such as falling from a ladder or over a railing | Proper ladders and stands, height under 4 ft., proper shoes, work planning, PPE | Y | 1 | 3 | 3 | 3 | 27 | | | | | | | | |
| Loading and unloading of vehicles | Being struck by an object, such as a tool falling on a worker from above | Work planning, communications, PPE, clear field of vision, lighting as required | Y | 1 | 4 | 3 | 2 | 24 | | | | | | | | |
| Loading and unloading of vehicles | Being struck against an object, such as a carpenter walking into a door frame | Work planning, communications, PPE, clear field of vision, lighting as required, spotters as required | Y | 1 | 3 | 3 | 2 | 18 | | | | | | | | |
| Loading and unloading of vehicles | Becoming caught in or compressed by equipment | Work planning, communications, PPE, clear field of vision, spotters as required, known weight and center of gravity | Y | 1 | 3 | 3 | 2 | 18 | | | | | | | | |
| Loading and unloading of vehicles | Radiation | RWP, work planning, RCT support, ISM assistance, Transportation POC reviews, Transportation Subject Area, procedures, Transportation Safety Assessment Form, escorts as required, posting and labeling, PPE, contamination controls as needed, emergency response | Y | 2 | 3 | 1 | 2 | 12 | | | | | | | | |
| Loading and unloading of vehicles | Hazardous materials | Work planning, secondary containment as required, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, posting and labeling, slow speed, PPE, shortest route between points, emergency response | Y | 2 | 3 | 2 | 2 | 24 | | | | | | | | |
| Securing load in or on vehicle | Bodily reaction – injuries resulting from bending, climbing, loss of balance and slipping without falling | Work planning, proper shoes, snow removal, maintenance of surfaces, inspected and approved tie downs | Y | 2 | 3 | 2 | 2 | 24 | | | | | | | | |
| Securing load in or on vehicle | Falls on same level | Maintenance of surfaces, snow removal, proper shoes | Y | 2 | 3 | 1 | 3 | 18 | | | | | | | | |
| Securing load in or on vehicle | Falls to lower level, such as falling from a ladder or over a railing | Proper ladders and stands, height under 4 ft., proper shoes, work planning | Y | 1 | 3 | 3 | 3 | 27 | | | | | | | | |
| Securing load in or on vehicle | Being struck by an object, such as a tool falling on a worker from above | Work planning, communications. PPE, clear field of vision, lighting as required, PPE, inspected and approved tie downs | Y | 2 | 3 | 2 | 2 | 24 | | | | | | | | |
| Securing load in or on vehicle | Becoming caught in or compressed by equipment | Work planning, communications, PPE, clear field of vision, inspected and approved tie downs | Y | 1 | 3 | 3 | 2 | 18 | | | | | | | | |
| Securing load in or on vehicle | Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying or throwing of an object | Work planning, PPE, lifting load limits for individuals, mechanical lift equipment, back safety training as appropriate | Y | 2 | 3 | 2 | 3 | 36 | | | | | | | | |

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|--|--|--|---|---|---|---|---|----|--|--|--|--|--|--|--|--|
| Securing load in or on vehicle | Radiation | RWP, work planning, RCT support, ISM assistance, Transportation POC reviews, Transportation Subject Area, procedures, Transportation Safety Assessment Form, escorts as required, posting and labeling, PPE, contamination controls as needed, emergency response | Y | 2 | 3 | 1 | 2 | 12 | | | | | | | | |
| Securing load in or on vehicle | Repetitive motion | Work planning, frequent breaks, work planning, PPE, mechanical equipment | Y | 2 | 3 | 2 | 2 | 24 | | | | | | | | |
| Securing load in or on vehicle | Hazardous materials | Work planning, secondary containment as required, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, posting and labeling, slow speed, PPE, shortest route between points, emergency response | Y | 2 | 3 | 2 | 2 | 24 | | | | | | | | |
| Placard and label vehicle | Falls on same level | Maintenance of surfaces, snow removal, proper shoes | Y | 2 | 3 | 2 | 3 | 36 | | | | | | | | |
| Placard and label vehicle | Falls to lower level, such as falling from a ladder or over a railing | Proper ladders and stands, height under 4 ft., proper shoes, work planning | Y | 1 | 3 | 3 | 3 | 27 | | | | | | | | |
| Placard and label vehicle | Radiation | RWP, work planning, RCT support, ISM assistance, Transportation POC reviews, Transportation Subject Area, procedures, Transportation Safety Assessment Form, escorts as required, posting and labeling, PPE, contamination controls as needed, emergency response | Y | 2 | 3 | 1 | 2 | 12 | | | | | | | | |
| Placard and label vehicle | Hazardous materials | Work planning, secondary containment as required, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, posting and labeling, PPE, emergency response | Y | 2 | 3 | 2 | 2 | 24 | | | | | | | | |
| Transport the load and to new location | Getting struck by dropped load or hitting other objects or people with load while moving | Work planning, PPE, training, PE & C-AD inspection and maintenance of equipment, SBMS subject areas, OPM procedures, group procedures, Tier 1 inspections, known weight of load, known center of gravity of load, known lifting points on load, route and area checked clear prior to movement, engineering input and qualified PE riggers. OSHA 18001 process, Heightened awareness of competency for material handling, loads properly secured in vehicle. | Y | 2 | 4 | 2 | 2 | 32 | | | | | | | | |

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|---|---------------------|---|------------|---|---|----------|---|----|-------------|--|--|---------------|--|--|--|--|
| Transportation | Vehicle accident | Licensed drivers, traffic rules and signs, slow speed, loading off roadway, spotters, seat belts when moving, warning/flashing vehicle lights, emergency response, road closure as appropriate, vehicle inspections and maintenance, street lights, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, ISM and Procurement assistance as required, rigging and securement equipment inspections, suspect parts program, work planning, procedures, Increased BNL Police enforcement for traffic, BNL initiative for increased traffic safety and signage | Y | 2 | 4 | 3 | 2 | 48 | | | | | | | | |
| Transportation | Radiation | RWP, work planning, RCT support, ISM assistance, Transportation POC reviews, Transportation Subject Area, procedures, Transportation Safety Assessment Form, escorts as required, posting and labeling, slow speed of vehicle, PPE, use of shortest route between points, contamination controls as needed, emergency response | Y | 2 | 3 | 1 | 2 | 12 | | | | | | | | |
| Transportation | Hazardous materials | Work planning, secondary containment as required, DOT and Transportation Subject Area, Transportation Safety Assessment Form, Transportation POC reviews, posting and labeling, slow speed, PPE, shortest route between points, emergency response | Y | 2 | 3 | 2 | 2 | 24 | | | | | | | | |
| Further Description of Controls Added to Reduce Risk: | | | | | | | | | | | | | | | | |
| *Risk: | 0 to 20 | | 21 to 40 | | | 41-60 | | | 61 to 80 | | | 81 or greater | | | | |
| | Negligible | | Acceptable | | | Moderate | | | Substantial | | | Intolerable | | | | |